Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Volgen

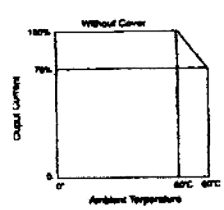
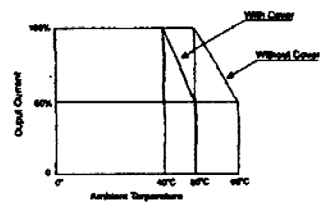
MRE SERIES
Single Output Models

CE MARK

Features:

- **15W, 30W, 50W & 100W Models**
- Universal Input (85-264VAC)
- International Safety Approvals
- EMI: FCC Class B, VDE0871 B
- Small, Lightweight Design
- Metal Chassis with Cover
- High Reliability
- Low Cost, High Performance
- Two Year Warranty

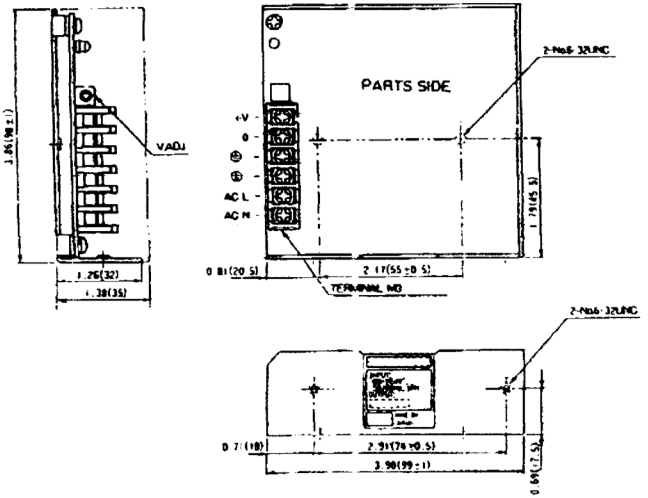
Jameco Part Number 205882

SPECIFICATIONS	
INPUT VOLTAGE	AC100-120/200-240V (AC85 to 264V) (DC110 - 340V)
INPUT FREQUENCY	50/60 Hz (47 ~ 63 Hz)
INRUSH CURRENT	MRE15W:22A Max, MRE30W:40A Max, MRE50W:50A Max, MRE100W:40A Max
VOLTAGE ADJUST RANGE	±10%
LINE REGULATION	0.4% Max. (AC85 to 264V)
LOAD REGULATION	0.8% Max.
RIPPLE/NOISE (DC~100MHZ)	EoX 1% + 50mVp-p Max.
TEMPERATURE COEFFICIENT	0.02%/°C Max (0°C to 50°C)
DRIFT	0.5%+10mV/8hours Max (after 1 hour warm-up)
DROP OUT TIME	20msec. MIN.
RISE TIME	MRE15W/30W:200msec Max , MRE50W:500msec Max MRE 100W:600msec Max (100VAC input) and 300 msec Max (200VAC input)
OVER CURRENT PROTECTION	Built-in
OVER VOLTAGE PROTECTION	MRE15W: Not Applicable, MRE30W/50W/100W: Built-in
DIELECTRIC WITHSTANDING VOLTAGE	Primary to Secondary AC3000V Primary to Case AC1500V (*1 min. Cut off current: 10mA*)
ISOLATION RESISTANCE	Secondary to Case AC 500V
LEAKAGE CURRENT	MRE15W/30W:0.7mA Max., MRE50W/100W:0.75mA Max.
OPERATING TEMPERATURE	0°C TO +60°C MRE15W/30W  0° C to +60°C MRE50W/100W 
STORAGE TEMPERATURE	-20 - 85°C
SHOCK TEST PROCEDURES	Vibration: 0.5mm width, 10 - 55 Hz / 1 min. cycle, 3 directions each 30 minutes Shock: 20G (3 directions each 3 times)

MODEL	OUTPUT	
	VOLT	AMPS
MRE-05003U 15W	5V	3.0A
MRE-121R2U 15W	12V	1.2A
MRE-15001U 15W	15V	1.0A
MRE-240R6U 15W	24V	0.6A
MRE-05006U 30W	5V	6.0A
MRE-122R5U 30W	12V	2.5A
MRE-15002U 30W	15V	2.0A
MRE-241R2U 30W	24V	1.2A

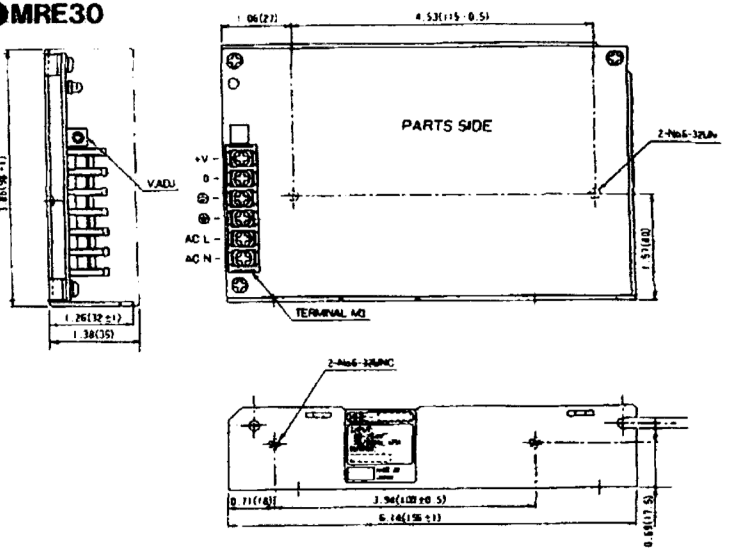
MODEL	OUTPUT	
	VOLT	AMPS
MRE-05010U 50W	5V	10A
MRE-124R2U 50W	12V	4.2A
MRE-153R3U 50W	15V	3.3A
MRE-242R1U 50W	24V	2.1A
MRE-05020U 100W	5V	20A
MRE-128R4U 100W	12V	8.4A
MRE-15656U 100W	15V	6.6A
MRE-244R2U 100W	24V	4.2A

●MRE15



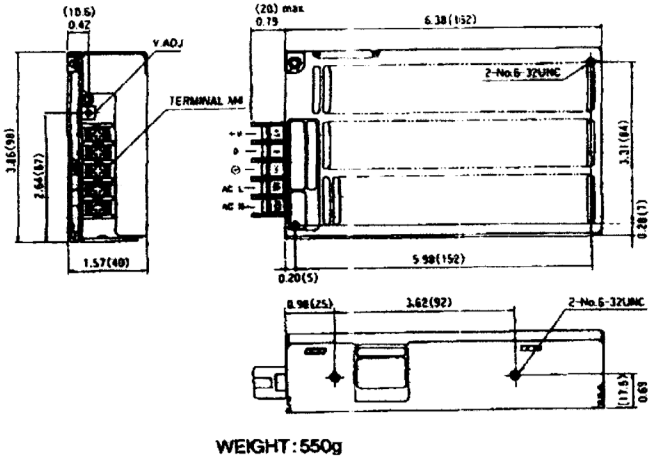
WEIGHT:350g

●MRE30



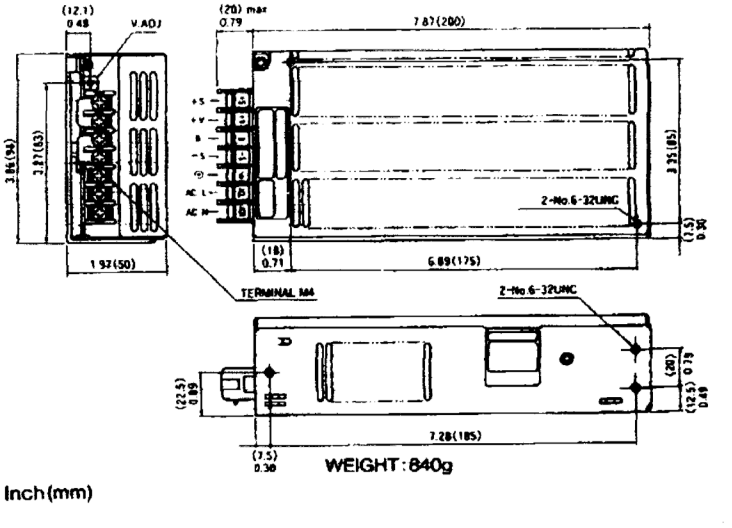
WEIGHT:450g

●MRE50



WEIGHT:550g

●MRE100 ✓

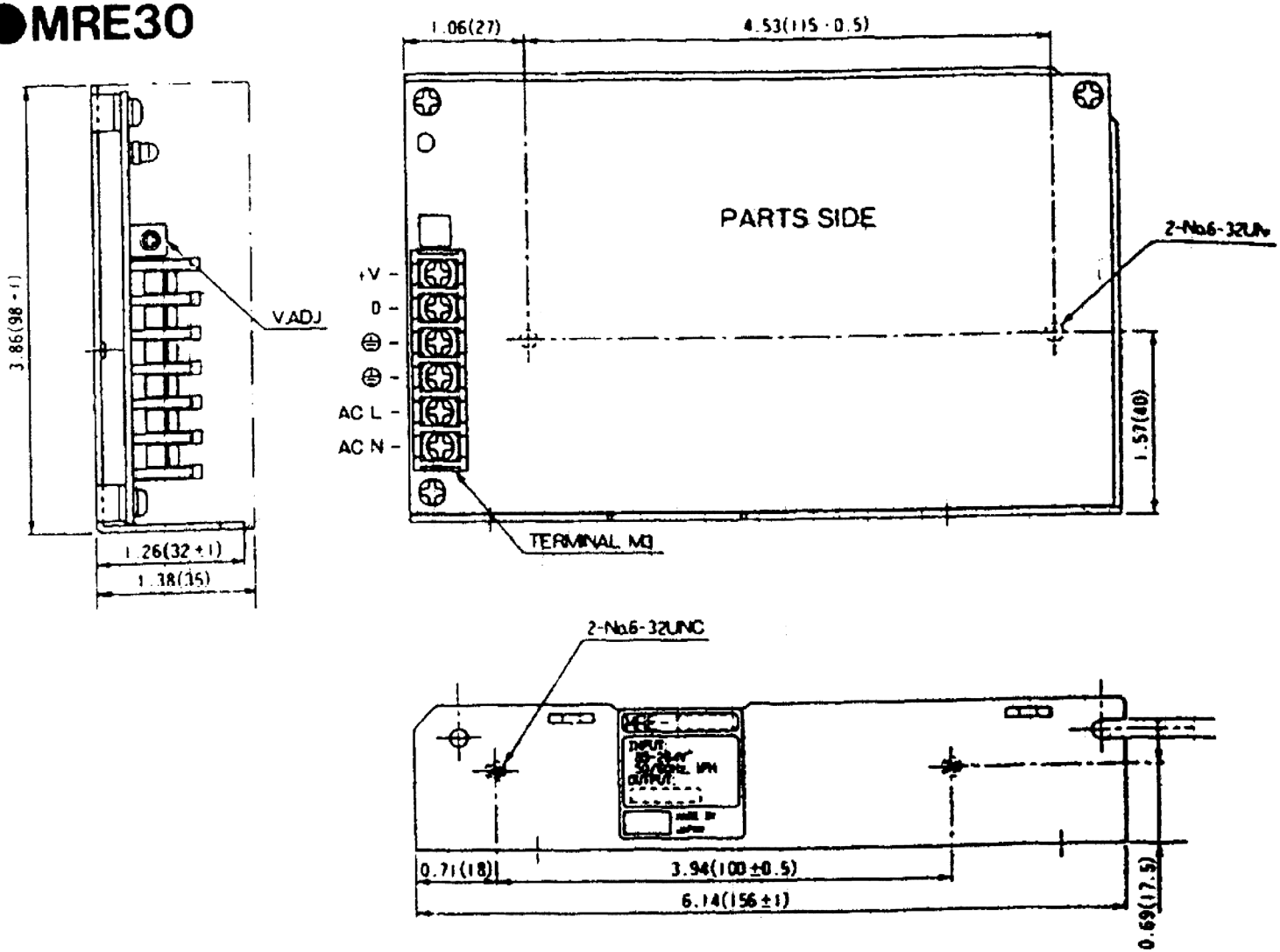


WEIGHT:840g

UNIT : Inch(mm)

Specifications subject to change without notice.

●MRE30



WEIGHT : 450g